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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/528,678	03/20/2000		Albert M. Chan	MIT8755 5588	
7	590	11/19/2004		EXAMINER	
Samuels Gau	thier &	Stevens LLP	ODOM, CURTIS B		
Matthew E Cor	nnors				
225 Franklin S	treet		ART UNIT	PAPER NUMBER	
Suite 3300			2634		
Boston, MA	02110		DATE MAILED: 11/19/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Advisory Action	()	09/528,678	CHAN ET AL.				
narroory modern		Examiner	Art Unit				
		Curtis B. Odom	2634				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
THE REPLY FILED 29 September 2004 FAILS Therefore, further action by the applicant is requfinal rejection under 37 CFR 1.113 may only be condition for allowance; (2) a timely filed Notice Examination (RCE) in compliance with 37 CFR	iired to av either: (1 of Appea	oid abandonment of this applica) a timely filed amendment which	ition. A proper reply to a				
PERIOD	FOR RE	EPLY [check either a) or b)]					
 a)	ate of this A	Advisory Action, or (2) the date set forth atter than SIX MONTHS from the mailing	date of the final rejection.				
Extensions of time may be obtained under 37 CFR 1.1 fee have been filed is the date for purposes of determining fee under 37 CFR 1.17(a) is calculated from: (1) the expirat (2) as set forth in (b) above, if checked. Any reply received timely filed, may reduce any earned patent term adjustment	the period of ion date of by the Offi	of extension and the corresponding amount the shortened statutory period for reply of the later than three months after the mail	unt of the fee. The appropriate extension originally set in the final Office action; or				
1. A Notice of Appeal was filed on A 37 CFR 1.192(a), or any extension thereo							
2. The proposed amendment(s) will not be e	entered be	ecause:					
(a) X they raise new issues that would requ	uire furth	er consideration and/or search (s	see NOTE below);				
(b) they raise the issue of new matter (se	ee Note b	pelow);					
(c) they are not deemed to place the app issues for appeal; and/or	olication i	n better form for appeal by mate	rially reducing or simplifying the				
(d) they present additional claims withou	ut canceli	ng a corresponding number of fi	nally rejected claims.				
NOTE: See Attachmentt.							
3. Applicant's reply has overcome the follow	ing reject	tion(s):					
4. Newly proposed or amended claim(s) canceling the non-allowable claim(s).	would	be allowable if submitted in a se	parate, timely filed amendment				
5.☐ The a)☐ affidavit, b)☐ exhibit, or c)☐ re application in condition for allowance bec			dered but does NOT place the				
6. The affidavit or exhibit will NOT be consid raised by the Examiner in the final rejection		ause it is not directed SOLELY to	o issues which were newly				
7. For purposes of Appeal, the proposed am explanation of how the new or amended							
The status of the claim(s) is (or will be) as	follows:						
Claim(s) allowed:			•				
Claim(s) objected to:			•				
Claim(s) rejected: <u>1-32</u> .							
Claim(s) withdrawn from consideration:							
8. The drawing correction filed on is a) approved or b) disapproved by the Examiner.							
9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s)							
10. Other:							
- -							

Application/Control Number: 09/528,678

Art Unit: 2634

Response to Amendment

1. The amendment to the claims filed on 9/29/2004 has not been entered because the insertion of an "anticausally and casually" filtering operation raises new issues that would require further consideration and search.

Response to Arguments

Applicant's arguments filed 9/29/2004 have been fully considered but they are not persuasive. The applicant states that "It is assumed that Lee (U. S. Patent No. 6, 570, 919) is not concerned with removing ISI in a nonlinear fashion. However, the invention relies on the nonlinear removal of ISI to significantly enhance system performance.

Therefore, Lee '919 does not anticipate claims 1, 17, 15, and 31, and thus is allowable." However, it is the understanding of the examiner that Lee '919 is concerned with removing ISI in a nonlinear fashion. In column 1, lines 32-40, Lee states "DFE (Decision Feedback Equalization) is a nonlinear method that utilizes previous decisions to cancel trailing ISI in the currently detected channel sample". Therefore, it would have been obvious to one of ordinary skill in the art that since the device of Lee applies DFE and utilizes previous decisions to cancel trailing ISI that the ISI removal of Lee is performed in a nonlinear fashion based on the definition of DFE stated by Lee above (column 1, lines 32-40).

Application/Control Number: 09/528,678

Art Unit: 2634

Conclusion

Page 3

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Curtis B. Odom whose telephone number is 571-272-

3046. The examiner can normally be reached on Monday- Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Curtis Odom

November 12, 2004

STEPHEN CHIN

SUPERVISORY PATENT EXAMINE

TECHNOLOGY CENTER 2600